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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/404,706

DATE: 10/08/1999
TIME: 11:10:44

Input Set: I404706.RAW

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This Raw Listing contains the General Information
Section and up to first 5 pages.

MAR 27 2000

TECH CENTER 1600/2900

#4
Plunkett
5/26/00

ENTERED

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TECH CENTER 1600/2900
99 OCT 28 PM 1:54

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MAR -2 2000
TE 1600 MAIL ROOM

1 <110> APPLICANT: Williams, Lewis T.
2 Escobedo, Jaime
3 Innis, Michael A.
4 Garcia, Pablo Dominiguez
5 Sudduth-Klinger, Julie
6 Reinhard, Christoph
7 Giese, Klaus
8 Randazzo, Filippo
9 Kennedy, Giulia C.
10 Pot, David
11 Kassam, Altaf
12 Lamson, George
13 Drmanac, Radoje
14 Crkvenjakov, Radomir
15 Dickson, Mark
16 Drmanac, Snezana
17 Labat, Ivan
18 Leshkowitz, Dena
19 Kita, David
20 Garcia, Veronica
21 Jones, Lee William
22 Stache-Crain, Birgit
23 <120> TITLE OF INVENTION: Diagnostic and Therapeutic Methods Using
24 Molecules Differentially Expressed in Cancer Cells
25 <130> FILE REFERENCE: 2300-1490
26 <140> CURRENT APPLICATION NUMBER: US/09/404,706
27 <141> CURRENT FILING DATE: 1999-09-23
28 <150> EARLIER APPLICATION NUMBER: 60/101,900
29 <151> EARLIER FILING DATE: 1998-09-25
30 <160> NUMBER OF SEQ ID NOS: 37
31 <170> SOFTWARE: FastSEQ for Windows Version 4.0
32 <210> SEQ ID NO 1
33 <211> LENGTH: 300
34 <212> TYPE: DNA
35 <213> ORGANISM: Homo sapiens
36 <400> SEQUENCE: 1
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38 gaggtcgagc cgggcagtgg ggtccgcatc gtggtggagt actgtgaacc ctgctggcttc 120
39 gaggcgacct acctggagct ggccagtgtc gtgaaggagc agtatccggg catcgagatc 180
40 gagtcgcgcc tcgggggac aggtgccttt gagatagaga taaatggaca gctggtgttc 240
41 tccaagctgg agaatggggg ctttccttat gagaaagatc tcattgaggc catccgaaga 300
42 <210> SEQ ID NO 2
43 <211> LENGTH: 300
44 <212> TYPE: DNA

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47      catgtacagt agctattttcc tgatgaccaa atctctcaac gaatcatgtt attaataaat      60
48      atttttagca ctcatcagta ttctccaatg tgaccttctc attggagtac acagaaggaa      120
49      agcaaagaag agcatctgac ttctagctct ggcttacagc ctctctacca ggccgaagca      180
50      agagaccgcg ggcagcagct ccccgccact cagacctggg tgggtgataac ctcaaagaat      240
51      ggctctgttt tctattgaca gaaaaccac ttgattttgc ttctgagtta gcagtcagaa      300
52 <210> SEQ ID NO 3
53 <211> LENGTH: 300
54 <212> TYPE: DNA
55 <213> ORGANISM: Homo sapiens
56 <400> SEQUENCE: 3
57      atcgaatggc tttttgcagc taactactat gtgtagacag gttttatatt ataaagtatg      60
58      cattcttatc acctagtata tagttagttt gtagagtgat ttccccccag tttcttgaac      120
59      atggtatctt cacatcttgg accttgggtca gttgtgctat tcattattaa acactaaaac      180
60      tttggcgggt cttgcataac attgtcagat tttttagtgat atttctgtga agtcattttt      240
61      tttcttgtca ttcttttgt agtagttgct gtttggataa aagttgatgt ggatttttta      300
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63 <211> LENGTH: 300
64 <212> TYPE: DNA
65 <213> ORGANISM: Homo sapiens
66 <400> SEQUENCE: 4
67      gacaaacgga agtgtagggt acggtctgag acatcacgcg caagctgggc atcgggggaga      60
68      tggccgagac tgaccccaag accgtgcagg acctcacctc ggtgggtgcag acactcctgc      120
69      agcagatgca agataaattt cagaccatgt ctgaccagat cattggggaga attgatgata      180
70      tgagtagtcg cattgatgat ctggaaaaga atatcgcgga cctcatgaca caggctgggg      240
71      tggaagaact ggaaagtga aacaagatac ctgccacgca aaagagttga aggttgctaa      300
72 <210> SEQ ID NO 5
73 <211> LENGTH: 300
74 <212> TYPE: DNA
75 <213> ORGANISM: Homo sapiens
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77      acgaaatccg gaccctggtc aaggatatgt gggacactcg tatagccaaa ctccgagtgt      60
78      ctgctgacag ctttgtgaga cagcaggagg cacatgccaa gctggataac ttgaccttga      120
79      tggagatcaa caccagcggg actttcctca cacaagcgt caaccacatg tacaaaactcc      180
80      gcacgaacct ccagcctctg gagagtactc agtctcagga cttctagaga aaggcctggg      240
81      gcaggcggct tgctggggga tgtgagcgct caggacgtga tgaggtactc gtggttctgg      300
82 <210> SEQ ID NO 6
83 <211> LENGTH: 300
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85 <213> ORGANISM: Homo sapiens
86 <400> SEQUENCE: 6
87      aattccgttg ctgtcgggtg ggctctggcc tgcagctcgc gccgccatgg acgctgccga      60
88      ggtcgaattc ctgcgcgaga aggagctggg taccattatc cccaacttca gtctggacaa      120
89      gatctacctc atcggggggg acctggggcc ttttaaccct ggtttaccgg tggaagtgcc      180
90      cctgtggctg gcgattaacc tgaaacaaag acagaaatgt cgctgtctcc ctccagagtg      240
91      gatggatgta gaaaagtgg agaagatgag ggatcatgaa cgaaagggaag aaacttttac      300
92 <210> SEQ ID NO 7
93 <211> LENGTH: 300
94 <212> TYPE: DNA

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97      atcatgcttc agacaacatc ccgaaggcag acgaaatccg gaccctggtc aaggatatgt      60
98      gggacactcg tatagccaaa ctccgagtgt ctgctgacag ctttgtgaga cagcaggagg      120
99      cacatgccaa gctggataac ttgacctga tggagatcaa caccagcggg actttcctca      180
100     cacaagcgct caaccacatg tacaaactcc gcacgaacct ccagcctctg gaaagacctc      240
101     agctaggact tctaaaaaag gcctggtgca gccgcttggg tggggattaa cccttcagac      300
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103 <211> LENGTH: 300
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo sapiens
106 <400> SEQUENCE: 8
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108     gtccaggcag ctggaacaga tagacactgt gtgacatttg tattgcacga ggaagaccat      120
109     accctaggaa attctctacg ttacatgac atgaagaacc cggaagtggg attttgtggt      180
110     tacactacga cccatccttc agagagcaaa attaatttac gcattcagac tcgaggtagc      240
111     cttccagctg ttgagccatt tcagagaggc ctgaatgagc tcatgaatgt ctgccaacat      300
112 <210> SEQ ID NO 9
113 <211> LENGTH: 300
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo sapiens
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: (1)...(300)
119 <223> OTHER INFORMATION: n = A,T,C or G
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122     tcttanaagt attttgtttt tggatgtgtg aatgtgcata gttcttaaag tccaacattc      120
123     atgtaataag acatcttgca tataacaatg acccttacgt cnaagatgtn aaatagatcc      180
124     taagcctggg ataactttat tcaagtatcc ttatttgccc ctaaaatgtc ttttaatacac      240
125     attacttggg ttatttcctg gatgaacatn caggatcccc aatttctgtt ttttaagagaa      300
126 <210> SEQ ID NO 10
127 <211> LENGTH: 300
128 <212> TYPE: DNA
129 <213> ORGANISM: Homo sapiens
130 <400> SEQUENCE: 10
131     gtgtgtgggg ggggttccca gatattcagg gcaagggacc agtcggaagg gattctggct      60
132     attgggggag cccagagaca ggggaaggca gcctgtccat ctgtgcataa ggagaggaaa      120
133     gttccagggt gtgtatgttt caggggcttc acatggagga gctgcagata gatatgtgtt      180
134     tctgtgtatg tgtatgtctg cctttttttc taagtggggg cttctacagg cttttgggaa      240
135     gtagggtgga tgtgggtagg gctgggagga gggggccaca gcttaagttt ggagctctgg      300
136 <210> SEQ ID NO 11
137 <211> LENGTH: 300
138 <212> TYPE: DNA
139 <213> ORGANISM: Homo sapiens
140 <400> SEQUENCE: 11
141     atctctttga gcaatcgtct taatttcctt gtcgtcacca attatcataa ccaattatca      60
142     tcgtaaagga tggtaatcc ttttaattata cccaccttaa aaacatgatt ctgttccaca      120
143     aacgaaagga gcacatcaga gatgccttca gttctgtgtg cttgaacttt gaattccatg      180
144     aattatagtt gcactgaggg gagaatcctg tttccatcct cctggttcct tctccctttc      240

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145 ctgtcccat gtttctctga ggcttgcaa tgctctctgg atacttggtg agtagccag 300
146 <210> SEQ ID NO 12
147 <211> LENGTH: 300
148 <212> TYPE: DNA
149 <213> ORGANISM: Homo sapiens
150 <400> SEQUENCE: 12
151 ctggaaagcc ggaattcaac tctggaccct gggaagcctg agatgatgaa gtccccaca 60
152 aacaccaccc cacatgtgcc ggctgaggga cctgagctta tttgaagtcc tgcctcattc 120
153 tctactggagc ctcagtctct cctgcttggt cttggccctc aactggggca agtgaagcca 180
154 gaggagggtc cccagctgg gtgggctgga atggaactcc tctactagctg ctggggctcc 240
155 gccaccctg ctcccttccg gacaatgaag aagcctttgc accctgggag gaaggaccac 300
156 <210> SEQ ID NO 13
157 <211> LENGTH: 300
158 <212> TYPE: DNA
159 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 13
161 agaagacagc agagcagact gtatgacgag caccagcacc aggcacaggg atttcctagc 60
162 cgagcagtgg ccatcccat gcctctgacc tccaccgacc tctgcccacc atgggttga 120
163 actaaactgt taccttccct cgctccacag aagaagacag ccagcttcag gggctccctgt 180
164 gctggccaag ccagtgaacc tgcggggagg ctgggtccaag gagaaagtgg accagctccc 240
165 atgacctcac cccactcccc caacacagga cgcttcatat agatgtgtac agtatatgta 300
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167 <211> LENGTH: 300
168 <212> TYPE: DNA
169 <213> ORGANISM: Homo sapiens
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171 <221> NAME/KEY: misc_feature
172 <222> LOCATION: (1)...(300)
173 <223> OTHER INFORMATION: n = A,T,C or G
174 <400> SEQUENCE: 14
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176 tcatggccat ggnaaccaa ggaggtactg tcaaagctgc ttcaggattc aatgccatgg 120
177 aagatgccca gacctgagg aangccatga aagggtcgg caccgatgaa nacgccatta 180
178 ttancgtect tgcctaccgc atcacgccc agcgccagga gatcaggaca gcctacaaga 240
179 gcaccatcgg canggacttg atagacgacc tgaagtcana actgagtggc aacttcgagc 300
180 <210> SEQ ID NO 15
181 <211> LENGTH: 300
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 15
185 caaaggagcg gagaggggag gggagagagt tgggcgaggg agagcccccg gccggctgcc 60
186 agaagatccc ggcgggagga agcccaagtg tcaattgaat tccacccaag gagcgggcgc 120
187 ctgggatcag agcgtcctgt ttagcaataa cggctggagc acgtcctaca agttacggga 180
188 gagtcggctg tgaaggagac gttegttat cccctgtgtc cccgtcctg gccctccag 240
189 accccagcct tgcctcgcgc tgggagggga gatccagaat gaaaggcaag aaaggtattg 300
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192 <212> TYPE: DNA
193 <213> ORGANISM: Homo sapiens
194 <400> SEQUENCE: 16

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195      aattccgttg ctgtcgcaga ggctgggac atggtagatg gaaccctcct tttactcttc      60
196      teggaggccc tggcccttac ccagacctgg gcgggctccc actccttgaa gtatttccac      120
197      acttccgtgt cccggcccgg ccgcggggag ccccgcttca tctctgtggg ctacgtggac      180
198      gacacccagt tctgtcgctt cgacaacgac gccgcgagtc cgaggatggt gccgcgggcg      240
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201 <211> LENGTH: 300
202 <212> TYPE: DNA
203 <213> ORGANISM: Homo sapiens
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205      ctctgaccat gaggccaccc tgaggtgctg ggccctgggc ttctaccctg cggagatcac      60
206      actgacctgg cagcaggatg gggaggggcca taccaggac acggagctcg tggagaccag      120
207      gcctgcaggg gatggaacct tccagaagtg ggcagctgtg gtggtgcctt ctggagagga      180
208      gcagagatac acgtgccatg tgcagcatga ggggctaccc gagcccgctc ccctgagatg      240
209      gaagccggct tcccagccca ccatcccatc cgtgggcatc attgctggcc tggttctcct      300
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213 <213> ORGANISM: Homo sapiens
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217      tcacagcagc tgggtggagag gcgggggtctg caggaaacacc agagaggccg gactctgacc      180
218      atggtgtccc tgggctgtgg ctttgtgggc cctgtggtag gaggtctgta caaggttttg      240
219      gatcggttca tccctggcac caccaaagtg gatgcactga agaagatgtt gttggatcag      300
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221 <211> LENGTH: 300
222 <212> TYPE: DNA
223 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 19
225      aattccgttg ctgtcgggtca tcaaggattt catgattcaa ggaggtgaca tcaccactgg      60
226      agatggcact gggggtgtga gcatctatgg tgagacattt ccagatgaga acttcaagct      120
227      gaagcactat ggcattgggt gggtcagcat ggccaacgct gggcctgaca ccaatggctc      180
228      tcagttcttt atcaccttga ccaagccac ctggttgac ggcaaacatg tgggttttg      240
229      aaaagtcatt gatgggatga cagtgggtgca ctccatagag ctccaagcaa ctgatgggca      300
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231 <211> LENGTH: 300
232 <212> TYPE: DNA
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234 <400> SEQUENCE: 20
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236      ggaaaatttt gttgctctag caacaggaga gaaaggatat ggatataaag gaagcaagtt      120
237      tcatcgtgtc atcaaggatt tcatgattca aggaggtgac atcaccactg gagatggcac      180
238      tgggggtgtg agcatctatg gtgagacatt tccagatgag aacttcaagc tgaagcacta      240
239      tggcattggg tgggtcagca tggccaacgc tgggcctgac accaatggct ctcagttctt      300
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241 <211> LENGTH: 300
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo sapiens

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Please Note: <400> SEQUENCE: 21

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Input Set: I404706.RAW

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123	W "N" or "Xaa" used: Feature required	atgtaataag acatcttgca tataacaatg acccttac
125	W "N" or "Xaa" used: Feature required	attacttggg ttatttcctg gatgaacatn caggatc
176	W "N" or "Xaa" used: Feature required	tcatggccat ggnaaccaa ggaggtactg tcaaagct
177	W "N" or "Xaa" used: Feature required	aagatgcccc gaccctgagg aangccatga aagggctc
178	W "N" or "Xaa" used: Feature required	ttancgtcct tgcctaccgc atcaccgccc agcgccag
179	W "N" or "Xaa" used: Feature required	gcaccatcgg canggacttg atagacgacc tgaagtca
322	W "N" or "Xaa" used: Feature required	accaatgggg agatacagaa ggagaacagt cgtgaagc
323	W "N" or "Xaa" used: Feature required	agccccangc canccctggg ganatccgct ccannagc
405	W "N" or "Xaa" used: Feature required	gaaagattgt agcgttttan tctccctggg ctttcctc
417	W "N" or "Xaa" used: Feature required	gaagtctgta gatggacggn agatccgagt agaccagg
418	W "N" or "Xaa" used: Feature required	atcccgtggg taccgnggtg gctctgccgg gggccggg
419	W "N" or "Xaa" used: Feature required	acggggccgt gggttctcta taggaggagg ggaccgag
420	W "N" or "Xaa" used: Feature required	gtccaggagt gggggctacg gaggctccag agactact